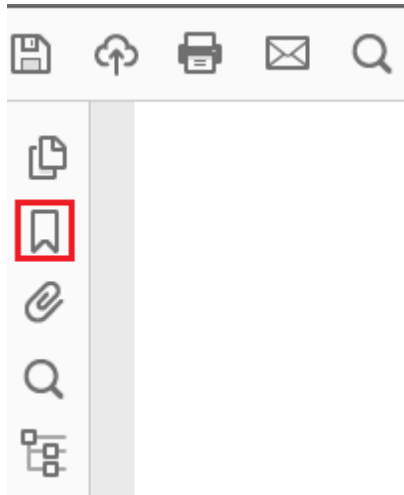


[Help / About](#)

Welcome to the Data Explorer System

System Overview

Thank you for utilizing the Data Explorer System. To view the contents of the help manual, reference the Table of Contents, or enable the Bookmark pane by clicking on the Bookmark icon, then clicking the sub-topic you wish to view.



Depending on how you opened the manual, you may first need to display your PDF-reader application toolbar; in Adobe Acrobat Reader DC.



The Data Explorer System is best viewed in Chrome, Firefox, Internet Explorer 10 and above, or Safari.

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Getting Started

The Data Explorer System home page contains the following page-level tools:



Opens the agency's website in a new tab



Clears all current selections and reloads the webpage




Displays alerts related to the Data Explorer System



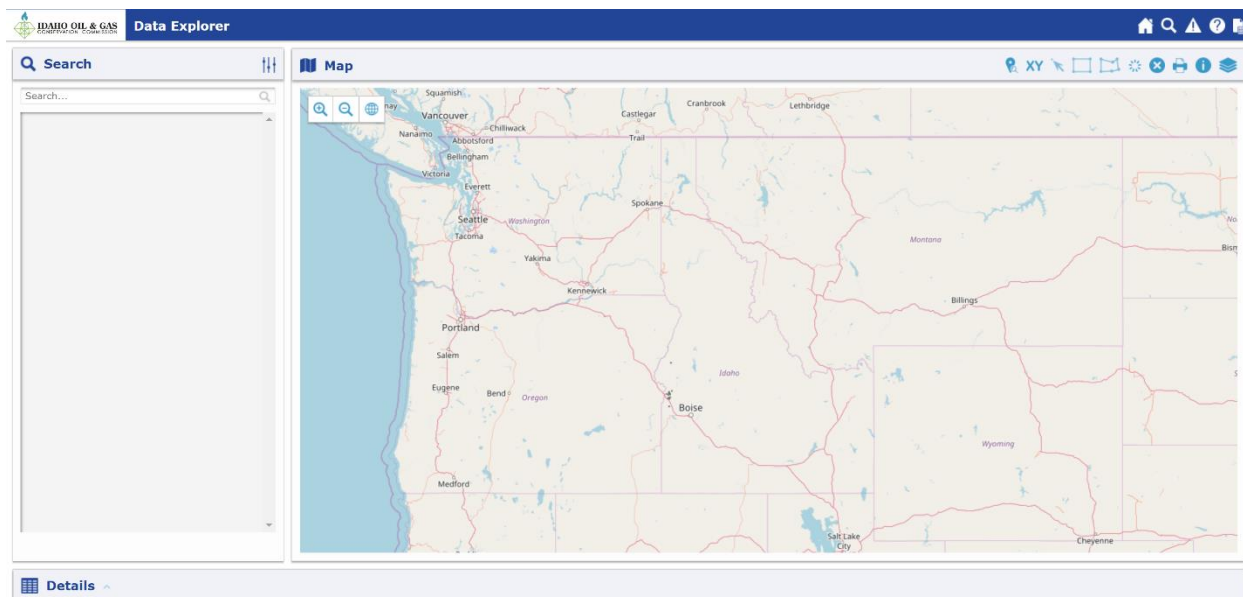
Opens the Data Explorer System Help file in a new tab



Opens the Data Explorer Reporting menu; click the  icon for instructions on running a report

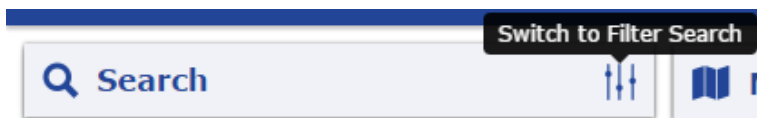
Page Layout

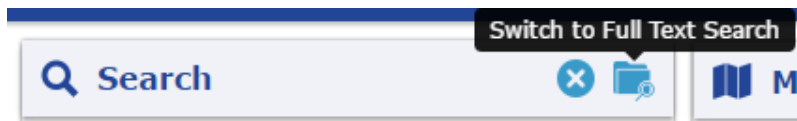
Upon accessing the Data Explorer System, you are presented with three panes. The first pane is the **Search** pane. There is also an interactive **Map (GIS)** pane and a **Details** pane, which displays details of selected records.



Search Pane

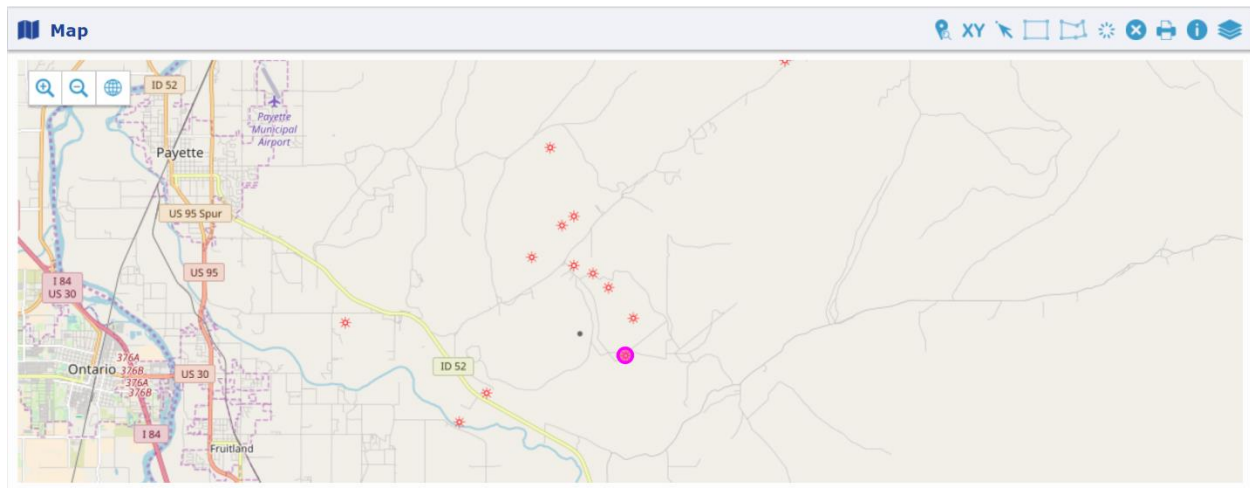
The search pane is comprised of a search engine with a full text search and filter search option. Upon successful return of records, the search pane will be populated with a list, organized in a **tree** view structure, of all records that met the search criteria.






Map Pane

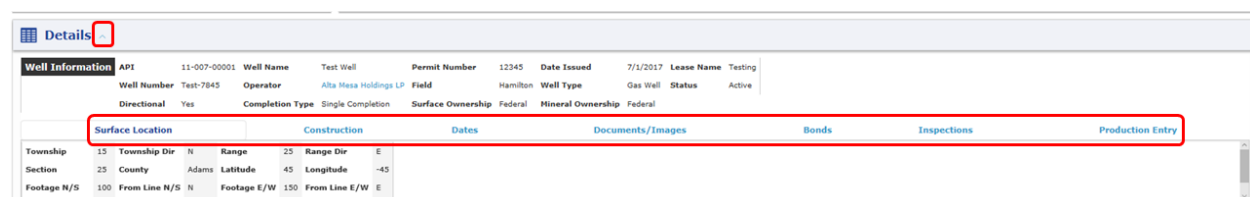
The interactive map pane displays a map of data layers, such as counties, highways, cities, and wells. With the various tools, a user can zoom in and out of the map, select and identify features, control which data layers are displayed, and more. Additionally, when a record is selected in the tree view, the corresponding feature is also selected in the map and the map automatically zooms to that feature.



Details Pane

The details pane lists detailed information about selected records. When a record is selected in the search pane, the details of that record are displayed in the details pane.

- Click the various tab titles to scroll through the information in the details pane
- Click the  icon to expand or collapse the details pane



Searching the Data Explorer System

The Data Explorer System enables users to search for data related to wells, entities, facilities, and PRUs using two primary methods: a full text search in which users can search for records using any combination of search terms and a filter search option in which users can filter data using specific search criteria.

Full Text Search

With a full text search, you can enter any of the following terms or combination of terms in the search text box to search the Data Explorer System. Search uses 'Begins with' or '='.


- Entities

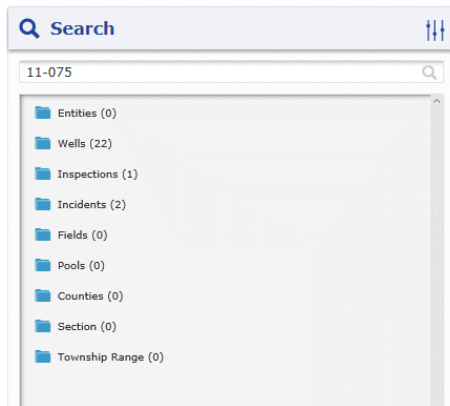
- Search on Entity Name.
- Wells
 - Search on API (with or without hyphens)
 - Search on Well Name
- Inspections
 - Search on API (with or without hyphens)
 - Search on Well Name
- Incidents
 - Search on API (with or without hyphens)
 - Search on Well Name
 - Search on Complete Incident Number
- Fields
 - Search on Field Name
 - Search on complete Field Number
- Pools
 - Search on Pool Name
 - Search on complete Pool Number

Additionally, Data Explorer also includes the following geographic searches. These additional geographical searches return a list of wells within that geographical area.

- Counties
 - Search on County Name
- Section
 - Search by entering Township with Direction (space) + Range with Direction (space) + Section; e.g. '07N 04W 10'.
- Township Range
 - Search by entering Township with Direction (space) + Range with Direction; e.g. '07N 04W'.

When a geographical search result is selected, the Details pane displays the list of wells that are within the geographical area.

To run a full text search, enter a search term or phrase into the text box and click the <Enter> key or Search icon .



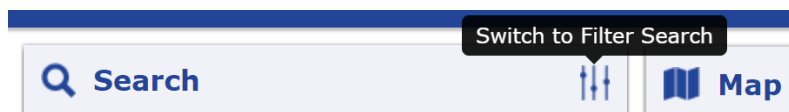
Filter Search

With the filter search, you can select specific database table fields, such as well type, well status, and/or operator, by which to search and filter data.

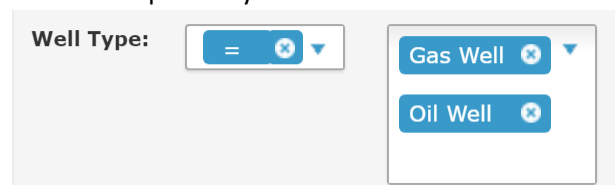
By default, the filter search option presents well-related filters. You can change the dataset to search by selecting another option in the Search dropdown box.

You also have the option to add additional search criteria by adding fields from a dropdown list.

- In the search pane, click the Switch to Filter Search icon



- In the dropdown box next to the chosen field, select the comparison method (e.g. less than, greater than, equals)
- In the text box, enter or select the value for your filter
- If the filter is a dropdown, you can add multiple values to your filter set by clicking back into the field and selecting an additional value
 - When you filter for multiple values for the same filter, the filters are run using an OR clause, not an AND clause. For example, if you run a search using the following filters, the Data Explorer System will return wells whose Well Type is Gas Well OR Oil Well.



- If multiple filters of different types are applied, the search will run using an AND clause. For example, if you run a search using the following filters, the Data Explorer System will return clients whose Entity Type is Company AND Status is Active.

Entity Type: [=] Company

Org. Type: [] Filter Input...

Status: [=] Active

- To remove a value, click the field's "x" button
- Once all criteria are entered, click the **Apply** button
 - The search pane will display a tree view of your results below the filters. You may have to vertically scroll down to see the results.

Well Type: [=] Gas Well

Status: [] Filter Input...

Directional: [] Filter Input...

Completion Type: [] Filter Input...

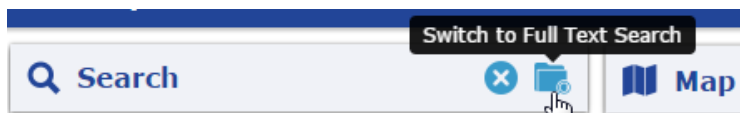
Surface Ownership: [] Filter Input...

Mineral Ownership: [] Filter Input...

Wells (16)

Apply

- To switch back to a full text search:
 - Click the Switch to Full Text Search icon



Understanding the Tree View

When a search is executed the results are returned in a tree view. A tree view is simply a hierarchical ordering of elements. Each item (also called a branch or a node) in the tree view may contain a number of sub-items. These sub-items represent an individual row in a given table. The total number of sub-items returned for each branch will be displayed at the end of the branch's label. Expand the branch to select a sub-item; the data from that row will be displayed in the details pane.

Expand/Collapse Branches

Once a search is executed and the tree view is populated

- Click the folder icon next to any branch to expand it

A list of available records (sub-items) will be displayed below the folder icon and in the details pane.

Wells (24)

- DJS Prop #1-15 1-15 11-075-20020
- DJS Properties 1-14 11-075-20019
- DJS Properties 2-14 11-075-20023
- Espino 1-2 1 11-075-20004
- Inland Cap 1-19 11-075-20009
- Inland Capitol 1-19 11-075-20009
- Kauffman 1-34 11-075-20024
- Kauffman 1-9 11-075-20027
- Korn 1-22 1-22 11-075-20014
- May 1-13 11-075-20017
- ML Investments 1-10 11-075-20007

WellView	API	Well Name	Permit Number	Date Issued	Lease Name	Well Number	OperatorView	Operator	Field	Well Type	Status
View	11-007-00001	Test Well	12345	07/01/2017	Testing	Test-7845	View	Alta Mesa Holdings LP	Hamilton	Gas Well	Act
View	11-027-20003	Smith	lu600553	02/19/2014	Smith	1-10	View	Trendwell West, Inc.	Wildcat	Shale Gas	Plu
View	11-075-20004	Espino 1-2	08-001	06/12/2014	Espino	1	View	Alta Mesa Services, LP	Wildcat	Gas Well	Sh
View	11-075-20005	State Yeow	08-002	11/14/2008	States	1-17 Yeow	View	Alta Mesa Services, LP	Hamilton	Oil Well	Pro
View	11-075-20007	ML Investments	08-004	12/09/2009	ML Investments	1-10	View	Alta Mesa Services, LP	Willow	Gas Well	Sh
View	11-075-20008	Schwarz	LU600005	12/09/2009	Schwarz	1-10	View	Alta Mesa Services, LP	Willow	Gas Well	Abt

- Click the folder icon next to any expanded branch to collapse it

Select a Record

To view detailed information about a record:

- Expand a branch in the tree view
- Single click a record (sub-item)

The details pane will be populated with detailed information about the selected item and, if applicable, the map will zoom into the feature representing the selected item. (The selected item will also be highlighted in the map.)

Search 11-075

Map

Details

Well Information

API	Well Name	Permit Number	Date Issued	Lease Name
11-075-20020	DJS Prop #1-15	LU-600045	10/25/2010	

Well Number	Operator	Field	Well Type	Status
1-15	Alta Mesa Services, LP	Willow	Undesignated	Shut In

Directional	Completion Type	Surface Ownership
No	Single Completion	Mineral Ownership

Surface Location		Construction		Dates		Documents/Images		Bonds		Inspections		Production Entry	
Township	8	Township Dir	N	Range	4	Range Dir	W						
Section	15	County	Payette	Latitude	44.03494	Longitude	-116.801						
Footage N/S	1560	From Line N/S	N	Footage E/W	2278	From Line E/W	E						

Working with the Interactive Map (GIS)

The interactive map component, known as a Geographic Information System (GIS), enables you to visualize and analyze geographic data pertaining to regulatory activities. With the GIS, you can zoom in and out of the map, select features, and obtain information (attribute values) about features.

GIS Overview

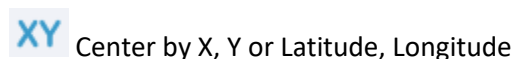
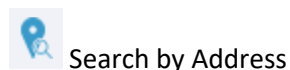
A GIS, short for Geographic Information System, is a collection of hardware, software, and geographic and non-spatial data with which individuals interact to integrate, visualize, and analyze geographic data.

A GIS organizes data into layers. A layer is a visual representation of geographic data in a digital map environment. Typically, a single layer is defined by some sort of aggregation of features that share some type of attribute. For instance, all features representing roads may be aggregated into a single layer, while all features representing oil wells may be aggregated together in another layer. As such, a layer is roughly analogous to a legend item in a traditional paper map. However, a GIS enables users to control which layers are displayed at any particular time. Through the process of toggling layers on and off, a user may be able to discover geographic associations that were not otherwise readily apparent.

The true power of a GIS, though, lies in its ability to do analysis. All geographic features in a GIS are linked to a database by a unique identifier. By selecting a feature, a user can bring up detailed information about each geographic dataset. Additionally, through the process of spatial queries and/or visualization, a user can begin to find specific patterns in their geographic data. For instance, one can determine whether there is a specific geological formation in which a particular type of well regularly occurs or whether certain oil and gas activity occurs in the vicinity of environmentally sensitive areas.

Toolbar

The GIS consists of a number of tools which enable you to better interact with the map. The following tools are on the GIS toolbar:





Buffer Selection



Clear Selection



Print Map



Show/Hide Tooltip (default enabled)



Show/Hide Table of Contents / Layers

The specific functionality and how to use each is discussed in turn in the proceeding sections.


Navigating the Map

Unlike a paper map, a GIS enables a user to change the scale of display in the map, as well as change the area of focus. The following tools are designed for navigation purposes:


To move the map:

- Single click in the map, hold the left mouse button down, and drag the map to the area in which you wish to view
- Release the mouse button


To zoom in:

- Scroll up using the mouse scroll-wheel or
- Select the Zoom In tool 
- The map will zoom to the selected area.


To zoom out:

- Scroll down using the mouse scroll-wheel or
- Click the Zoom Out tool 
- The map will automatically zoom out.

To zoom to the full extent of the data (original extent):

- Click the Zoom Full Extent button 
- The map will return to the full extent (original extent) of the data.


To zoom to specific X,Y coordinates (e.g. latitude and longitude):

- Click the Center by X,Y or Latitude, Longitude button 
- In the dialog box, select a coordinate system to use
- Enter the appropriate values for latitude and longitude in the text boxes
- Click the Go button
- The map will re-center based on the specified X,Y coordinates.

Select and Query Features


There are three primary methods to find out information about features.

To select a single feature:


- If necessary, zoom into an area of the map
- Select the Select Wells by Click (view details) tool 
- Click on a designated feature in the map
- Add to your selection set by holding down the <Ctrl> key and clicking on an additional feature

The feature will be selected in the map and added to the **tree view** in the **search pane**. Additionally, the **details pane** will automatically populate with the information about the selected feature.


To select multiple features:

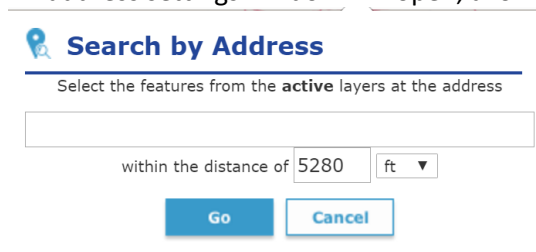
- If necessary, zoom into an area of the map
- Select the Select Wells by Rectangle tool 
- Holding the left mouse button down, drag a box around the features you wish to select
- Release the mouse button
- Add to your selection set by holding down the <Ctrl> key and dragging another box around the features you wish to add

Or

- If necessary, zoom into an area of the map
- Select the Select Wells by Polygon tool 
- Add vertices around the features you wish to select by single-clicking the left mouse button
- Double-click the left mouse button to end your drawing
- Add to your selection set by holding down the <Ctrl> key and dragging another box around the features you wish to add

To query features by an address:

- Click the Search by Address button 
- An address settings window will open, allowing you to set and run your search parameters



Search by Address

Select the features from the **active** layers at the address

within the distance of ▼

The features will be selected in the map and added to the **tree view** in the **search pane**.


- Click the folder icon next to any branch to expand it
- Click on a record for one of the selected features

The **details pane** will be populated with the information about the selected feature.

To clear a selection:

- Click the Clear Selection button 

To show details about a feature:

- If necessary, zoom into an area of the map
- If necessary, select the Show/Hide Tooltip button to enable the tool 
- Hover your mouse over a designated feature in the map to display a link to the feature's **details pane**
- Click the link



The **Details** will be populated with the information about the feature, but the feature will not be added to the **tree view** (i.e. feature will not be considered selected).

Layer Controls

The GIS includes a few tools for layer and legend control. These enable you to display the table of contents (where individual layers and their map legends are listed), apply active layers, and apply a buffer to active layers.

To view the table of contents/legend:

If you wish to display the table of contents/map legend:

- Click the Show/Hide Table of Contents / Layers button 
- Click on the layers tab 

For each non-base map layer, there will be one checkbox that controls the layer's visibility. Visible indicates whether or not the layer is currently displayed in the map.

- Click the appropriate checkbox to toggle between base map layers
- Click the appropriate checkbox to toggle the layer's visibility

To apply an active layer:

Active means that the layer can be queried (i.e. features in the layer can be selected). If you wish to apply additional active layers:

- Click the Show/Hide Table of Contents / Layers button 




- Click on the filters tab
- Click the checkbox next to the desired layer to select an additional layer (repeat as needed)

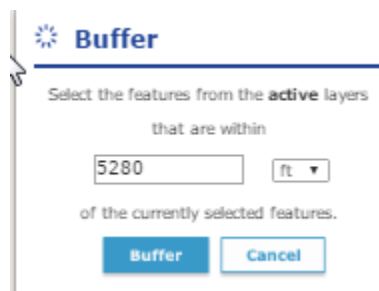
To remove an active layer:

- Click the checkbox next to the layer to uncheck it

To apply a layer buffer:

If you wish to apply a buffer for the active layers to your selected features:

- Click the Buffer Selection button 
- A buffer settings window will open, allowing you to set and run your buffer parameters

A screenshot of the 'Buffer' dialog box. The title bar says 'Buffer' with a gear icon. The text inside says 'Select the features from the active layers that are within' followed by a text input field containing '5280' and a dropdown menu showing 'ft'. Below this, it says 'of the currently selected features.' At the bottom are two buttons: 'Buffer' and 'Cancel'.

Miscellaneous

To print the map:

- Click the Print Map button 

A print settings window will open, allowing you to set and run your print parameters.